

ADMINISTRATIVE RECORD

RADIATION TECHNOLOGY INCORPORATED SITE

ROCKAWAY TOWNSHIP, MORRIS COUNTY, NEW JERSEY

Prepared for:

U. S. EPA Region II
Removal Action Branch
Edison, New Jersey 08837

Prepared by:

Region II Removal Support Team 2
Weston Solutions, Inc.
Federal Programs Division
Edison, New Jersey 08837

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July 2006

SDMS Document



110297

Administrative Records in Local Repositories

The "Administrative Record" is the collection of documents which form the basis for the selection of a response action at a Superfund site. Under Section 113(k) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), the EPA is required to establish an Administrative Record available at or near the site.

The Administrative Record file must be reasonably available for public review during normal business hours. The record file should be treated as a non-circulating reference document. This will allow the public greater access to the volumes and also minimize the risk of loss or damage. Individuals may photocopy any documents contained in the record file, according to the photocopying procedures at the local repository.

The documents in the Administrative Record file may become damaged or lost during use. If this occurs, the local repository manager should contact the EPA Regional Office for replacements. Periodically, the EPA may send supplemental volumes and indexes directly to the local repository. These supplements should be placed with the initial record file.

The Administrative Record file will be maintained at the local repository until further notice. Questions regarding the maintenance of the record file should be directed to the EPA Regional Office.

The Agency welcomes comments at any time on documents contained in the Administrative Record file. Please send any such comments to Dan Harkay, Removal Action Branch, U.S. EPA Region II, 2890 Woodbridge Avenue, Edison, NJ 08837.

For further information on the Administrative Record file, contact Dan Harkay, On-Scene Coordinator, U.S. EPA Region II, at (732) 321-6614.

RADIATION TECHNOLOGY INCORPORATED SITE

ADMINISTRATIVE RECORD FILE

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ADMINISTRATIVE RECORD FILE

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Category:	Document Category/Section of Administrative Record File
Author:	Writer and Affiliation
Recipient:	Addressee or Public, and Affiliation, if applicable
Date:	When Document was Created or Transmitted

Note: Items in the Administrative Record are for public access, and should be removed from the file only for copying. The cost of reproduction of the documents in the file is the responsibility of the person requesting the copy.

RADIATION TECHNOLOGY INCORPORATED SITE
ADMINISTRATIVE RECORD FILE - INDEX OF DOCUMENTS

Document #: RTI 2.5.001 - RTI 2.5.017

Title: Action Memorandum, Request for Approval of a Action at the Radiation Technology Incorporated Site, Rockaway Township, Morris County, New Jersey

Category: Removal Site Assessment

Author: Dan Harkay, On-Scene Coordinator, Removal Action Branch, United States Environmental Protection Agency, Region 2, 290 Broadway, New York, NY 10007-1866

Recipient: George Pavlou, Director, Emergency and Remedial Response Division

Thru: Joseph D. Rotola, Chief, Removal Action Branch

Date: June 22, 2006

Document #: RTI 10.3.001

Title: Notice of Public Availability of the Administrative Record

Category: Public Participation

Author: Dan Harkay, On-Scene Coordinator, US EPA Region II, Removal Action Branch, Edison, NJ

Recipient: General Public

Date: July 2006

Document #: RTI 11.2.001 - RTI 11.2.002

Title: EPA Regional Guidance Documents

Category: Technical Source and Guidance Documents

Author: U.S. Environmental Protection Agency, Region II, Removal Action Branch, Edison, NJ

Recipient: General Public

Date: Not Available



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

ACTION MEMORANDUM

JUN 22 2006

DATE:

SUBJECT: Request for Approval of a Removal Action at the Radiation Technology Incorporated Site, Rockaway Township, Morris County, New Jersey

FROM: Dan Harkay, On- Scene Coordinator
Removal Action Branch

[Handwritten signature]
for DH

TO: George Pavlou, Director
Emergency and Remedial Response Division

THRU: Joseph D. Rotola, Chief
Removal Action Branch

Site ID: X5

I. PURPOSE

The purpose of this Action Memorandum is to request and document approval of the proposed removal action, described herein, for the Radiation Technology Incorporated Site (Site), located in the Township of Rockaway, Morris County, New Jersey. The total funding requested in this Action Memorandum is \$34,000, of which \$28,000 is from the Regional Advice of Allowance for mitigation contracting.

This Site is on the National Priorities List (NPL). There are no nationally significant or precedent-setting issues associated with the removal action proposed.

II. SITE CONDITIONS AND BACKGROUND

The Comprehensive Environmental Response, Compensation and Liability Information System ID Number for this time-critical Removal Action is NJD047684451.

A. Site Description

The entire Site consists of 263 acres of land which is comprised of three distinct areas; the active Radiation Technology Incorporated (RTI) complex, the former Rockaway Industrial Park (RIP) and undeveloped land. The focus of this action is at the former RIP complex which is an inactive, partially developed 65 acre parcel, situated east of Lake Denmark Road (see Attachment A). The RIP was used by the Reaction Motors, Inc./Thiokol Corporation to develop and test rocket engines and propellants from 1941 to 1972. The parcel contains several small buildings that had recently been used by small businesses including an auto mechanic and landscaping service. The buildings are currently unoccupied. The RIP parcel is secured with a perimeter security fence. Approximately 600 linear feet of asbestos covered pipe is fastened to a portion of this fence. The protective membrane covering the asbestos insulation has deteriorated, exposing friable asbestos which is actively releasing fibers to the environment.

This Action Memorandum requests authorization of funding for the removal and disposal of friable asbestos insulation from the piping that is attached to the perimeter fence of the facility, as well as the friable asbestos pieces which have been separated from the piping and are now on the ground. As part of this Removal Action, soil sampling from the mitigated asbestos areas will also be tested to ensure it complies with existing, regional clean up criteria. The proposed removal action will eliminate the threat caused by the release of asbestos fibers to the environment.

1. Removal site evaluation (RSE)

At the request of the Remedial Project Manager (RPM), the Environmental Response Team (ERT) was tasked to evaluate buildings and structures on the RIP parcel and identify and sample Presumed Asbestos Contaminated Material (PACM) from those locations. On March 15, 2005, personnel from the Response, Engineering and Analytical Contract (REAC) conducted a sampling event to characterize PACM levels within site buildings and facility structures. Fifty-three bulk asbestos samples were collected and analyzed by REAC's subcontractor J&S Environmental Laboratories, LLC via Polarized Light Microscopy (PLM). J&S Environmental (ELAP # 11832) is accredited by the New York State Department of Health Environmental Laboratory Approval Program. The site investigation and sampling event identified numerous locations on the RIP parcel where asbestos containing material (ACM) is present.

On March 31, 2006, the RPM and On Scene Coordinator (OSC) visited the RIP parcel to assess the condition of the ACM identified during the March 15, 2005, assessment and sampling event. The RPM and OSC inspected the ACM throughout the facility and determined that only the ACM insulation located on the pipes fastened to the perimeter fence were actively releasing friable asbestos fibers. These pipes were severely deteriorated and pieces of asbestos were also visible on the ground below the pipe. Samples collected from the ACM pipe insulation identified chrysotile asbestos at concentrations ranging from 8% to 15%. The laboratory results are included in Attachment A.

Numerous other parts of the Site, both inside and outside the buildings, also contained ACM piping. However, these areas were more stable and not releasing any friable asbestos fibers. They were therefore not included as part of this proposed action.

2. Physical location

The Site is situated in the western portion of Morris County, New Jersey, at 108 Lake Denmark Road in Rockaway Township. Rockaway Township has a population of approximately 20,000 people. The next closest town to the Site is Denville, which has a population of approximately 14,000 people. The area around the Site is generally rural in nature. However, there has been significant residential and industrial development in the region in recent years. To the west of the Site, significant heavy industrial activities have been ongoing at the Army and Navy portions of the Picatinny Military Arsenal facilities since at least the 1920's. Areas to the east of the Site consist mainly of single-family residences situated in the population centers mentioned previously.

3. Site characteristics

The RIP facility is secured within an eight foot high chain link fence which is located around the perimeter of the parcel. The fence along the east property perimeter has piping attached to it. This piping is believed to have carried water from the water tower to a pump house, both of which are located on the facility. To prevent water in the pipe from freezing, the pipe was covered with thermal system insulation (TSI) which was enclosed within an ACM protective membrane. The total length of insulated pipe attached to the fence is approximately 600 feet.

Adjacent to the fence at this location is a trail. The trail is parallel to the fence and appears to be heavily used by hikers and off road vehicles. Individuals using the trail are within a few feet of the ACM pipe insulation and can easily be exposed to airborne fibers that are being actively released.

4. Release or threatened release into the environment of a hazardous substance, or pollutant, or contaminant

Asbestos is considered a hazardous substance as defined in CERCLA Part 101(14) and is a listed hazardous substance in Table 302.4 of 40 CFR Part 302. Samples collected from the ACM identified chrysotile at 8% and 15%.

Asbestos exposure may cause two primary classes of health effects. The first is asbestosis, a non-malignant disease characterized by a progressive scarring of the lungs and pleura. This condition progresses slowly over many decades and may continue even after the asbestos exposure has ceased. As microscopic scarring builds up, the lungs become stiff and restricted with thickening in the walls of the breathing spaces. The stiffening of the lungs, when severe, can make it difficult to breathe. The other major class of asbestos-related health effects is mesothelioma and lung cancer after apparently minimal exposure to asbestos.

All asbestos-related malignancies have a latency period. There is a considerable time interval between asbestos exposure and when lung cancer, mesothelioma, or other asbestos related cancers are seen. This latency period may vary from 20 to 40 years, although some cases may occur earlier.

The environmental threats posed by the ACM include the release of asbestos fibers into the air and onto the ground surface. The ACM on the ground can migrate to other onsite and offsite areas via wind currents and surface water drainage.

5. NPL status

The Site was listed on the NPL in September 1984.

6. Maps, pictures and other graphic representations

Please see Attachment A

B. Other Actions to Date

1. Previous actions

During the period from November 1980 to May 1981, the New Jersey Department of Environmental Protection (NJDEP) and the Rockaway Township Health Department conducted numerous inspections of the Site. The NJDEP investigations focused on chemical types and quantities, waste disposal practices and chemical waste manufacturing processes used at the Site.

In March 1981, the Rockaway Township Health Department notified the NJDEP that two principal water supply wells on the Site were found to be contaminated with volatile organic compounds (VOCs). Both wells were subsequently closed by the Health Department.

NJDEP's investigations resulted in the issuance of an Administrative Order and Notice of Prosecution to RTI. RTI was ordered to properly remove and cleanup spills, buried wastes and improperly stored waste materials. NJDEP issued a directive to RTI in November 1981, stating that their activities had contaminated the shallow groundwater table with VOCs and mandated that RTI determine the degree and extent of contamination.

In December 1981, RTI disclaimed responsibility for the groundwater contamination associated with the Site. In March 1982, NJDEP filed a complaint with the Superior Court of New Jersey, Chancery Division, Morris County as a result of RTI's failure to comply with various enforcement and administrative actions issued by the NJDEP. In settlement of the complaint RTI and NJDEP entered into a Consent Order in July 1983, under which RTI was required to install six, groundwater monitoring wells on the Site. In September and October 1983, RTI installed the six monitoring wells. In September 1983, the Site was proposed for inclusion on the NPL. In August 1994, NJDEP issued a Site Evaluation Report with the objective of identifying sources of ground water contamination at and around the property. The well sampling and analysis indicated that elevated levels of VOCs were present in the ground water.

In March, 1987, RTI entered into an Administrative Consent Order (ACO) with NJDEP to pay for the Phase I Remedial Investigation Feasibility Study (RI/FS) to be performed by a contractor to NJDEP. In August, 1987, NJDEP's contractor initiated the RI/FS.

In addition to the RI/FS, other surveys and remedial work was performed by RTI. Radiological surveys were conducted within the Site under Nuclear Regulatory Commission (NRC) supervision. Remediation of all radiologically contaminated soil areas found during the surveys was completed by RTI under NRC direction in August, 1990 and February, 1991. The NRC also required RTI to monitor ground water through 1995 for radioactive contamination.

In July 1990, RTI removed a leaking underground storage tank containing solvents and in 1993, other tanks, drums, contaminated soil and sumps were remediated under NJDEP guidance and direction.

In December 1992, RTI and Thiokol Corporation entered into an ACO to reimburse NJDEP for all the RI/FS costs and to perform design and remedial activities for contaminated groundwater.

The RI/FS reports were released to the public in July, 1993. A Proposed Plan, that identified the preferred remedial alternatives, was also released in July 1993. The State of New Jersey issued a Record of Decision (ROD) on May 9, 1994, selecting a remedy for the Site. The remedy included restoration of contaminated groundwater to the more stringent of Federal and New Jersey Safe Drinking Water Standards and New Jersey Groundwater Quality Standards through a combination of extraction and treatment and natural attenuation.

2. Current actions

At the request of the NJDEP, the Environmental Protection Agency (EPA) took over as lead agency for remediation of the Site in January, 2001. A Consent Decree entered by the Court in May, 2004 requires Alliant Techsystems Inc. (ATK) to implement the ground water remedy selected in the Record of Decision for the Site. ATK is the successor to the Thiokol Corporation. In October 2004, EPA executed an Administrative Order on Consent (AOC) with ATK to address the Operable Unit-2 RI/FS and to investigate potential soil contamination as well as other potential sources of groundwater contamination at the Site. The AOC does not address environmental concerns associated with asbestos present in the facility buildings and on the Site.

C. State and Local Authorities' Role

1. State and local actions to date

NJDEP relinquished site responsibilities to EPA in January, 2001. Prior State and local involvement at the Site has been discussed in Section B. 1 of this document.

2. Potential for continued State/local response

At this time, no further State or local involvement at the Site is anticipated.

III. THREAT TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

A. Threats to the Public Health or Welfare

Hazardous substances, pollutants or contaminants present at the Site represent a threat to the public health and welfare as defined by Section 300.145(b)(2) of the National Contingency Plan (NCP), in that there is a high potential for releases to continue to occur due to exposure to the elements (sunlight, rain, and wind). Continued exposure to the elements will result in further deterioration of the TSI causing asbestos fibers to release into the environment. Factors that support the removal action at the Site include:

(i) Actual or potential exposures to nearby human populations, animals, or the food chain from hazardous substances, pollutants, or contaminants;

There is a potential exposure to nearby human populations, animals or the food chain from hazardous substances, or pollutants, or contaminants. The primary routes of exposure to asbestos at the Site are inhalation and ingestion. The ACM protective membrane covering the TSI insulated pipes fastened to the fence is in an extreme state of deterioration. The membrane surrounding the TSI has deteriorated and friable asbestos is falling to the ground surface and releasing into the air. Parallel to the fence is an active trail used by local hikers and off road vehicles. Individuals using the trail are within a few feet of the TSI and will come in contact with asbestos fibers that are being released. Individuals coming in contact with asbestos fibers may transport the materials off-Site on their clothing and/or shoes, potentially impacting others.

Asbestos is a general term used to describe minerals that tend to form fibers when they are broken. These minerals are formed under conditions of very high heat and pressure deep within the earth and they are resistant to the types of temperatures and pressures found in our environment at the surface. Since their chemical composition is unchangeable, an asbestos mineral will always break into fibers. Large fibers have the potential to break into smaller ones, which eventually results in its reduction to microscopic size. Due to their small size, shape and lightness, these fibers act more like a gas than a dust.

The most significant human exposure pathway for asbestos is the inhalation of respirable asbestos fibers. The ingestion of fibers may also be an exposure pathway of concern to those individuals who may come in contact with ACM.

(v) Weather conditions exist that may cause hazardous substances, or pollutants, or contaminants to migrate or be released; and

The protective membrane covering the TSI has deteriorated to such an extent that it is nearly completely off the pipe. This has caused the TSI to be in direct exposure to wind, snow, and rain, which has resulted in an active release of fibers into the environment. TSI is present on the ground surface below the pipes due to the adverse impacts of the weather. The dry, friable nature of the TSI makes it easily carried by the wind which could impact persons in the vicinity of the Site.

(vii) There are no other appropriate federal or State response mechanisms available to respond to the situation at the Site.

No other federal or State response mechanism is available to respond to the threats present by the ACM.

B. Threats to the Environment

ACM will continue to release fibers into the environment from exposure to snow, wind and rain. The asbestos fibers can migrate to other areas on-Site and off-Site via wind currents and surface water drainage.

IV. ENDANGERMENT DETERMINATION

Actual or threatened releases of hazardous substances from this Site, if not addressed by implementing the response action selected in this Action Memorandum may present an imminent and substantial endangerment to public health, or welfare, or the environment.

V. PROPOSED ACTIONS AND ESTIMATED COSTS**A. Proposed Actions****1. Proposed action description**

To mitigate the threat posed by the ACM, the following scope of work will be implemented. All ACM covering the pipe, secured to the perimeter fence will be removed. ACM that has fallen to the ground will also be picked up and removed. All ACM will be wetted and double bagged pursuant to asbestos abatement protocols. The work will be performed by New Jersey Department of Labor licensed personnel in accordance with OSHA requirements. The bagged ACM will be disposed of off-Site in accordance with EPA's Off-Site Rule. Confirmatory soil sampling will also be conducted to ensure the clean up level of 0.25% asbestos in soil has been achieved in areas where asbestos has been removed from the ground.

2. Contribution to remedial performance

The response measures proposed in this Action Memorandum will address the threats posed to the public health and environment through removal of the ACM.

3. Description of alternative technologies

Removing the ACM from the pipe on-Site has been determined to be the appropriate disposal method. This method meets the criteria of effectiveness, implementability and cost.

4. Environmental Evaluation/Cost Analysis (EE/CA)

Due to the time-critical nature of this removal action, an EE/CA will not be prepared.

5. Applicable or relevant and Appropriate requirements (ARARS)

Federal ARARS determined to be applicable for the proposed scope of this removal action, include the Resource Conservation Recovery Act (RCRA), OSHA, and the Hazardous Materials Transportation Uniform Safety Act.

6. Project schedule

Field activities for this project will be conducted in three intermittent phases, which may take up to three months to complete. Phase 1 will involve mobilization and removal of all ACM from the pipes fastened to the fence and any material that has fallen onto the ground. Phase 2 will be dedicated to preparing the ACM waste for disposal, spraying an encapsulant onto the abated pipe, loading the waste into a roll off container for off-Site disposal and conducting the necessary post clean up soil sampling and analysis. Phase 3 will focus on evaluating the soil sampling data, conducting any necessary mitigation in areas not meeting the clean up criteria and demobilization of remaining personnel and equipment.

B. Estimated Costs

A summary of the funding requested in this memorandum is presented below:

Extramural Costs

Regional Removal Allowance Cost:

Total Cleanup Contractor Cost (including 15% contingency)	\$28,000
RST, Extramural Costs	\$ 1,600
Subtotal, Extramural Costs	\$29,600
Extramural Cost Contingency (15%)	\$ 4,440
TOTAL REMOVAL ACTION PROJECT CEILING (rounded)	\$34,000

VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

If the proposed actions described in this memorandum are not implemented, the threats posed by this Site will continue. Friable asbestos fibers will continue to be released into the environment and pose a threat to all persons who may come in contact with them.

VII. OUTSTANDING POLICY ISSUES

There is no known outstanding policy issues associated with the Site at the present time.

VIII. ENFORCEMENT

Pursuant to a Remedial Design/Remedial Action Consent Decree entered by the Court in May 2004, ATK, the successor to Thiokol, is performing the groundwater remedy as selected in the ROD. ATK has also agreed, pursuant to an October, 2004, AOC, to perform the RI/FS for OU-2 at the Site. ATK is liable, as the former owner and operator of the Site, at the time that hazardous substances were released into the environment. ATK, however is not the current owner of the Site. Rather, ATK sold a portion of the Site to RTI in 1972 and the remainder in 1978. Consequently, ATK has not owned the Site for approximately 28 years.

During negotiations for the RI/FS AOC, ATK submitted documentation to EPA demonstrating that at the time it sold the RTI Site in 1972 and 1978, the buildings located at the Site were in good condition, with no asbestos being released into the environment. This documentation consists of a number of documents, including a real estate appraisal from September 1969, describing the buildings and related fixtures as being in good condition, photographs from 1974 depicting the good condition of the buildings and an insurance appraisal. Based on the information submitted by ATK and EPA's independent assessment and review of existing Site documentation, EPA determined that it would not require ATK to perform any remedial activities pertaining solely to asbestos. If however future soil remediation activities require ATK to disturb areas containing asbestos, EPA reserved its right to require ATK to remediate asbestos in those disturbed areas.

The current owner of the Site, RTI, is a dissolved corporation.

The total EPA costs for this removal action, based on full-cost accounting that will be eligible for cost recovery, are estimated to be \$48,211.

Direct Extramural Cost	\$34,000
Direct Intramural Cost	\$ 3,000
Subtotal Direct Costs	\$37,000
Indirect Cost	\$11,211
(indirect regional cost rate 30.30%)	
Estimated USEPA Costs Eligible for Cost Recovery	\$48,211

IX. RECOMMENDATION

This decision document represents the selected removal action for the Radiation Technology Incorporated Site, located in Rockaway Township, Morris County, New Jersey, developed in accordance with CERCLA as amended, and is not inconsistent with the National Contingency Plan (NCP). This decision is based on the Administrative Record for the Site.

Conditions at the Site meet the NCP Section 300.415(b)(2) criteria for a removal action, and I recommend your approval of the proposed removal action. The total project ceiling if approved will be \$34,000, of which \$28,000 comes from the Regional removal allowance.

Please indicate your authorization for the planned removal action at the Radiation Technology Incorporated Site, as per current delegation of Authority, by signing below.

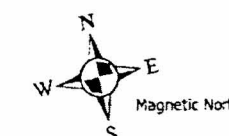
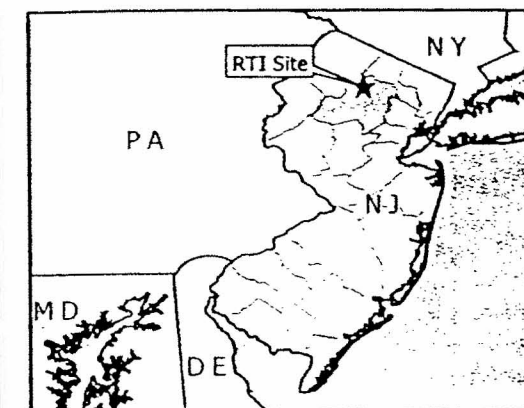
APPROVAL: *William Mc Cabe* **DATE:** 6-22-06
 George Pavlou, Director
 Emergency and Remedial Response Division

DISAPPROVAL: _____ **DATE:** _____
 George Pavlou, Director
 Emergency and Remedial Response Division

cc: (after approval is obtained)
 G. Pavlou, ERRD-D
 W. McCabe, ERRD-DD
 J. Rotola, ERRD-RAB
 M. Pane, ERRD-RAB
 D. Garcia, ERRD-NJRB
 C. Petersen, ERRD-NJSFB
 F. Zizila, ORC-NJSUP
 D. Karlen, ORC-NJSUP
 P.Brandt, PAD
 R. Manna, OPM-FAM
 T. Rivero, OPM-GCMG
 T. Grier, 5202G
 P. Mckechnie, OIG
 M. Pederson, NJDEP
 A. Raddant, USDOJ
 J. Steger, NOAA
 C. Kelly, RST

ATTACHMENT A

1. **Site Diagram**
2. **Asbestos Laboratory Results**
3. **Site Photographs**



Legend

- ⊙ Sample Locations
- Building Footprint

Map created using NJ DEP high resolution DOQQs c. 2002

Map Creation Date: 16 May 2005

Coordinate system: New Jersey State Plane

Datum: NAD83

FIPS: 2900

Units: Feet

* Also Called "LM"

150 0 150 300 450 Feet

U.S. EPA Environmental Response Team Center
Response Engineering and Analytical Contract
EP-C-04-032
W.A. # n-123

Figure 1
Sample Location Map
RTI Site
Rockaway Township, NJ

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

ELAP ID# 11832

Page 8 of 9

Client: Lockheed Martin Technology Contact: George Molnar Address: 2890 Woodbridge Ave. Bldg. 209 Edison, NJ 08837	Samples Received: 53 Samples Analyzed: 53 Job Site: Rocket Test Facility Several Buildings Rockaway Township, NJ	Report No.: 2005-217-074 Sampled: 03/15/2005 Received: 03/16/2005 Analyzed: 03/17-03/18/2005 Reported: 03/21/2005
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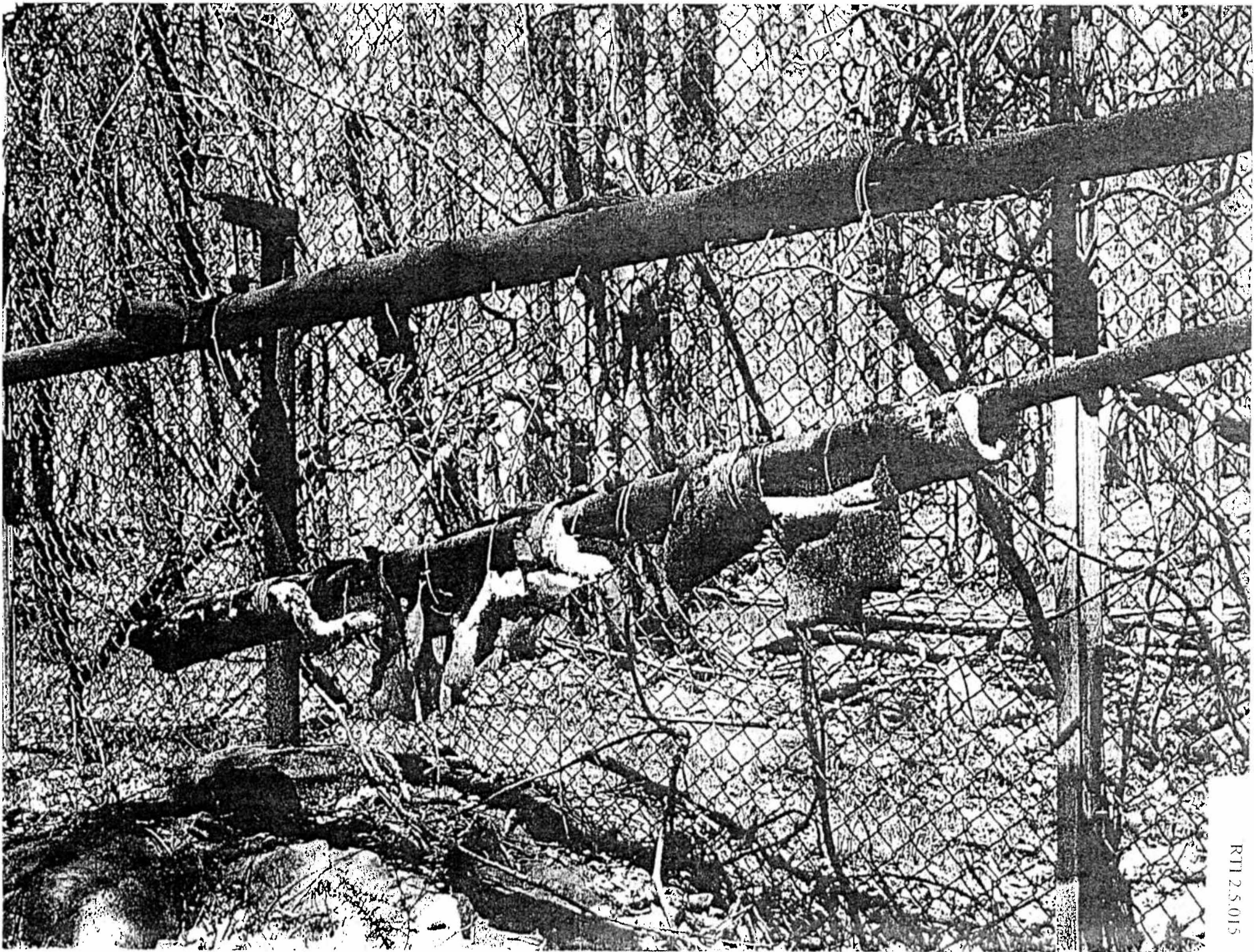
SAMPLE ID	ASBESTOS	OTHER DATA	DESCRIPTION
LAB ID	% TYPE (s)	Non-Asbestos Fibers Other	SAMPLE LOCATION
315 - 43	15 % Chrysotile.	1) 85 % Non-Fibrous Material	Black pipe.
05076-51			Building 21 - Outside West on ground.
315 - 44	15 % Chrysotile.	1) 85 % Non-Fibrous Material	TSI pipe insulation.
05076-52			Building 21 - Outside above ground South / East.
315 - 45	8 % Chrysotile.	1) 92 % Non-Fibrous Material	Tar paper around pipe.
05076-53			Building 21 - Outside above ground South / East.
315 - 46	No Asbestos Detected.	1) 100 % Non-Fibrous Material	VAT 12" X 12" white floor tile.
05076-54			Building 21 North entrance.
315 - 47	No Asbestos Detected.	1) 100 % Non-Fibrous Material	Mastic under VAT 12" X 12" white floor tile.
05076-55			Building 21 North entrance.
315 - 48	40 % Chrysotile.	1) 40 % Cellulose, 2) 20 % Non-Fibrous Material	TSI pipe insulation.
05076-56			Building R3 East outside.

NON-FRIABLE

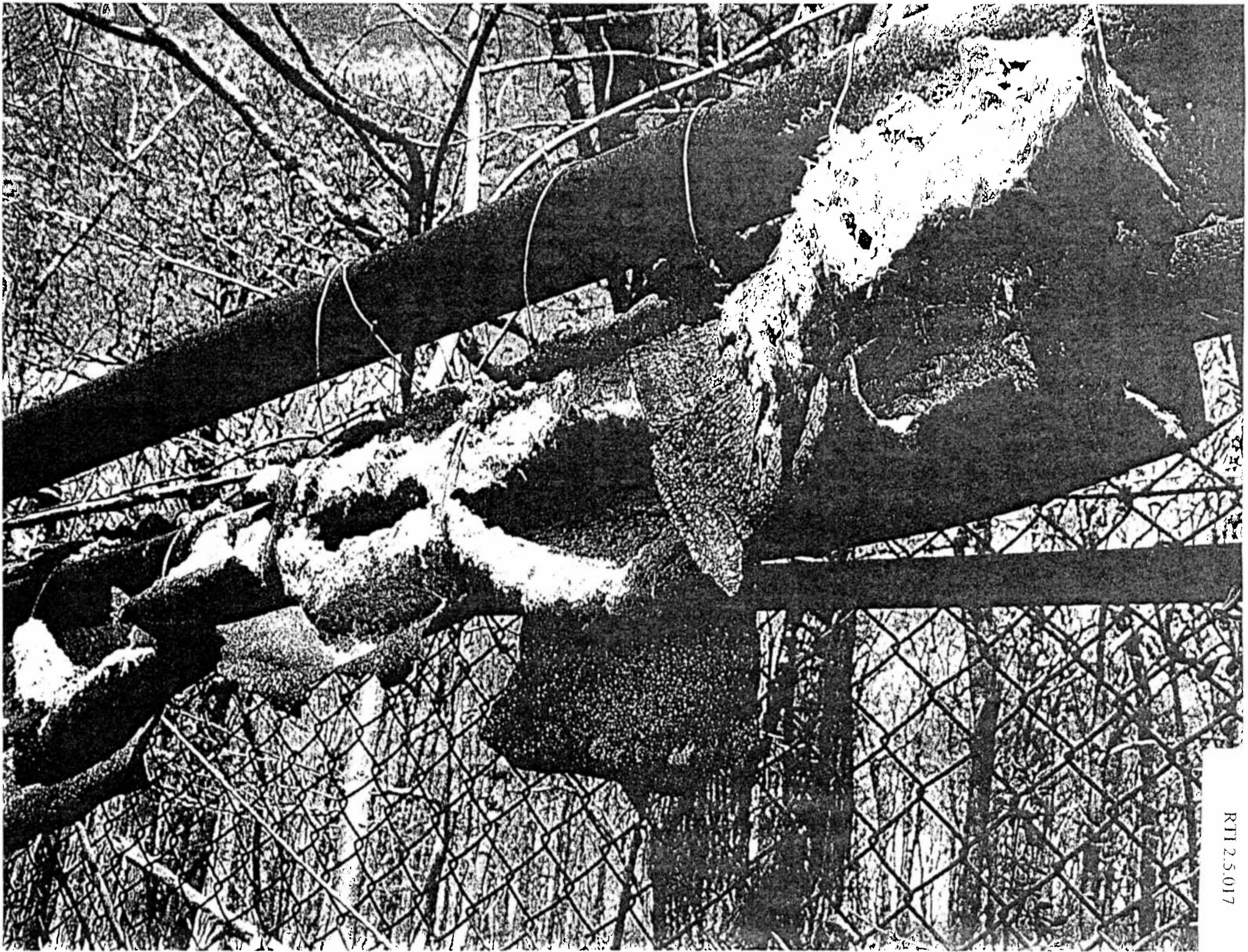
J&S Environmental Laboratories, LLC 1119 Springfield Road, Union, NJ 07083
Phone: (908) 206-0073 Fax: (908) 206-0093

Lab Manager: John Gelmini Analyst: S. Gelmini

The analysis above were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD). The above report may not be reproduced, except in full, without written approval by J&S Environmental Laboratories, LLC. The Analysis performed by J&S Environmental Laboratories, Union, New Jersey.







NOTICE OF PUBLIC AVAILABILITY

The United States Environmental Protection Agency (EPA) announces the availability for public review the administrative record files for the selection of the removal action at the Radiation Technology Incorporated Site in 108 Lake Denmark Road, Rockaway Township, Morris County, New Jersey. The EPA seeks to inform the public of the availability of the record file at this repository and to encourage the public to comment on documents as they are placed in the record file.

The administrative record file includes documents which form the basis for the selection of a removal action at this site. Documents now in the record file include: Action Memorandum and EPA regional guidance documents list. Other documents may be added to the record files as they become available. These additional documents may include, but are not limited to, other technical reports, validated sampling data, comments, and new data submitted by interested persons, and the EPA responses to significant comments.

The administrative record files are available for review during normal business hours at:

Rockaway Township Free Public Library
65 Mount Hope Road
Rockaway Township, NJ
(973) 627-2344

U.S. EPA, Region II
Removal Records Center
2890 Woodbridge Avenue
Building 205
Edison, New Jersey 08837
(732) 906-6980

Additional guidance documents and technical literature is available at the following location:

U.S. EPA, Region II
Removal Records Center
2890 Woodbridge Avenue
Building 205
Edison, New Jersey 08837
(732) 906-6980

Written comments on the Administrative Record should be sent to:

Dan Harkay, On-Scene Coordinator
Removal Action Branch
U.S. EPA, Region II
2890 Woodbridge Avenue
Building 209
Edison, New Jersey 08837

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EPA REGIONAL GUIDANCE DOCUMENTS

The following documents are available for public review at the EPA Region II Field Office, 2890 Woodbridge Avenue, Edison, New Jersey 08837 during regular business hours.

- * Glossary of EPA Acronyms.
- * Superfund Removal Procedures--Revision #3. OSWER Directive 9360.0-03B, February 1988.
- * Hazardous Waste Operations and Emergency Response.
Notice of Proposed Rule making and Public Hearings.
29 CFR Part 1910, Monday, August 10, 1987.
- * Guidance on Implementation of Revised Statutory Limits on Removal Action. OSWER Directive 9260.0-12, May 25, 1988.
- * Redelelegation of Authority under CERCLA and SARA.
OSWER Directive 9012.10, May 25, 1988.
- * Removal Cost Management Manual.
OSWER Directive 9360.0-02B, April, 1988.
- * Field Standard Operating Procedures (FSOP).
#4 Site Entry.
#6 Work Zones.
#8 Air Surveillance.
#9 Site Safety Plan.
- * Standard Operating Safety Guides -- U.S. EPA Office of Emergency and Remedial Response, July 5, 1988.
- * CERCLA Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund).
- * SARA: Superfund Amendments and Reauthorization Act of 1986.
- * NCP: National Oil and Hazardous Substances Pollution Contingency Plan. - Publication No. 9200.2-14.
- * Guidance on Implementation of the "Contribute to Efficient Remedial Performance" Provision - Publication No. 9360.0-13.

Additional Guidance Documents are listed below and are available for review at the EPA Region II Removal Records Center.

- * The Role of Expedited Response Actions (EPA) Under SARA - Publication No. 9360.0-15.
- * Guidance on Non-NPL Removal Actions Involving Nationally Significant or Precedent Setting Issues - Publication No. 9360.0-19.
- * ARARS During Removal Actions - Publication No. 9360.3-02.
- * Consideration of ARARS During Removal Actions -Publication No. 9360.3-02FS.
- * Public Participation for OSCs - Community Relations and the Administrative Record - Publication No.9360.3-05.
- * Superfund Removal Procedures - Removal Enforcement Guidance for On-Scene Coordinators - Publication No. 9360.3-06.
- * QA/QC for Removal Actions - Publication No. 9360.4-01.
- * Compendium for ERT Air Sampling Procedures - Publication No. 9360.4-05.